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(54) **BIOCHEMICAL PRODUCTION OF OPTICALLY ACTIVE**  
**1-(4-FENOXYPHENOXY)-PROPANE-2-OL**

(57) Abstract:

PURPOSE: Asymmetric reduction of 1-(4-phenoxyphenoxy) propane-2-one is conducted using a microorganism to enable industrially advantageous

production of the title compound which is used as an intermediate of agents combating undesired organisms.

CONSTITUTION: The asymmetric reduction of 1-(4-phenoxyphenoxy) propane-2-one is carried out using a microorganism, preferably *Rhodotorula rubra* IFO-0901 or *Shizosaccharomyces pombe* IFO-0846 to give the objective compound.

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